

ABSTRACT OF THE DISCLOSURE

X-RADIATION IMAGERY DEVICE AND PROCESS FOR MAKING THIS
DEVICE

This invention relates to an X-radiation imagery device comprising at least one detection matrix made of a semiconducting material comprising pixels (11) to convert incident X-photons into electric charges and a
5 silicon-based electric charges reading panel comprising several electronic devices, each electronic device being integrated by pixel (11), in which each detecting matrix is made of a layer of semiconducting material deposited in vapour phase on the electric charges
10 reading panel.

This invention also relates to a process for making such an imagery device.

Figure 1